| Ind | lex of | Clair | ns |
|-----|--------|-------|----|
|     |        |       |    |

Application/Control No.

10/785,060 Examiner

Melissa S. Mercier

THRELKELD ET AL.

Reexamination

Applicant(s)/Patent under

Art Unit

1615

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

(Through numeral) Cancelled

Non-Elected Ν Restricted

Interference

**Appeal** 0 Objected

|  |          | Ь       |  |  |  |  | ,  |          |  | 1            |     |  |          |  |          |              | -  | ,  | _  | L  |              | _      |  |
|--|----------|---------|--|--|--|--|--|----------|--|--------------|-----|--|----------|--|----------|--------------|--|--|--|--|--------------|--------|--|
| Cl   | aim      | Γ       |  | _  |  | Dat  |  |          |  |              | 1   | Claim  |          |  |          |              |  | Date   |  |  |              |        |  |
| Final  | Original | 2/19/06 |  |  |  | Jai  |  |          |  |              |     | Final  | Original |  |          |              |  |  | <u> </u>   |  |              |        |  |
|  | 1        | 1       | -  | ╁  | $\vdash$   | $\vdash$   |  | $\vdash$ | ┢  |              | 1   |  | 51       |  | $\vdash$ | -            | ╁  | ╁  | $\vdash$   | _  | ┢            | $^{+}$ |  |
|  | 2        | 1       | Н  | İ  | 1  | t  | $\vdash$   | $\vdash$ | 1  |              |     |  | 52       | <del>                                     </del> |          | <del> </del> | 1  |  |  | <b>†</b>   | _            | t      |  |
|  | 3        | 1       | $\vdash$   | 十  | $\vdash$   | $\vdash$   | $\vdash$   |          | 一  | t            | 1   |  | 53       | $\vdash$   | _        | -            | <del>                                     </del> | $\vdash$   | $\vdash$   | ┢  | H            | t      |  |
|  | 4        | 1       | ┪  | t  | 1  | T  | 1  | H        | $\vdash$   | ı            | 1   |  | 54       | ·  | H        |              |  | _  |  | t  | ┢            | t      |  |
|  | 5        | V       | ┢  | $\vdash$   | t  | 一  | ╁  | $\vdash$ | H  | $\vdash$     | 1   |  | 55       | ┰  | ⊢        |              |  | 1  |  |  | ┢            | t      |  |
|  | 6        | V       |  | ┢  | t  | $\vdash$   | $\vdash$   | $\vdash$ | ┢╌   | ┢            | 1   |  | 56       | $\vdash$   | _        |              | <u> </u>   | H  | 1  | $\vdash$   | ╁            | t      |  |
|  | 7        | V       |  | t  | -  |  | 1  | $\vdash$ | H  | $\vdash$     | 1   |  | 57       | $\vdash$   |          | -            | <u> </u>   | ╁╌   | $\vdash$   | ┢  | ╁╌           | t      |  |
|  | 8        | 1       | ┢  | H  | t  | H  | $\vdash$   | ┢        | 十  | $\vdash$     | 1   | <del>                                     </del> | 58       | ┢  | _        | H            | ╁╴   | t  | 1  | $\vdash$   | ┢            | t      |  |
|  | 9        | v       |  | H  | 1  | $\vdash$   | <del>                                     </del> | t        | $\vdash$   | H            | 1   |  | 59       | $\vdash$   |          | <u> </u>     |  | $\vdash$   |  |  | <del> </del> | t      |  |
|  | 10       | V       | <u> </u>   | t  | <del>                                     </del> | <u> </u>   | 1  | lТ       | $\vdash$   | T            | 1   |  | 60       |  |          | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | ┢  | ┢            | t      |  |
|  | 11       | V       | <del>                                     </del> | ╁  | ✝  |  | $\vdash$   | ┢        | <del>                                     </del> | H            | 1   |  | 61       |  | _        | $\vdash$     | <del>                                     </del> | <del>                                     </del> | _  |  | $\vdash$     | t      |  |
|  | 12       | 0       | -  | t  | ╁  | -  | 一  | ┰        | <del>                                     </del> | $\vdash$     | 1   |  | 62       | -  | _        | ┝            |  | <del> </del>                                     | <u> </u>   | $\vdash$   | H            | t      |  |
|  | 13       | 0       | _  | H  | <del>                                     </del> | <del>                                     </del> |  | 1        | $\vdash$   |              | 1   |  | 63       | $\vdash$   | _        | -            | $\vdash$   | $\vdash$   | $\vdash$   | H  | ┢            | t      |  |
|  | 14       | V       | $\vdash$   | $\vdash$   | <del>                                     </del> | <del>                                     </del> |  | T        | T  |              | 1   |  | 64       | Т  | -        | -            | $\vdash$   |  | _  | <del>                                     </del> | $\vdash$     | t      |  |
|  | 15       | 1       | ┝  | $\vdash$   | ┢  | $\vdash$   | _  |          | $\vdash$   | $\vdash$     | 1   |  | 65       | $\vdash$   | -        | -            | ┢  | H  | ┢  | $\vdash$   | ┢            | t      |  |
|  | 16       | 1       | $\vdash$   | ┢  | <del>                                     </del> | _  | <del>                                     </del> |          | $\vdash$   |              | 1   |  | 66       |  |          |              | ┢  | <del> </del>                                     | ┢  | <del>                                     </del> | ┢            | t      |  |
| -  | 17       | 1       | $\vdash$   | $\vdash$   | H  |  |  | 1        | H  | <del> </del> | 1   |  | 67       |  |          | _            | H  | ┢╌   | -  |  | $\vdash$     | t      |  |
| <del>                                     </del> | 18       | 1       |  | ┢  | H  |  | -  | $\vdash$ | $\vdash$   | -            | i   | -  | 68       |  | _        | _            | -  |  | <del>                                     </del> |  |              | t      |  |
| <b>—</b>   | 19       | ÷       |  | $\vdash$   | $\vdash$   | $\vdash$   | -  | -        | ┢  | ┢            | 1   |  | 69       |  | -        | -            | $\vdash$   | ╆  | ┢  | -  | ┝            | t      |  |
| <b>-</b>   | 20       | _       | -  | ╁  | $\vdash$   | $\vdash$   | -  | -        | $\vdash$   | $\vdash$     | ł   | _  | 70       |  | _        |              | Н  | ├  |  | -  | -            | t      |  |
| $\vdash$   | 21       |         |  |  | ╁╴   | -  | $\vdash$   | -        |  |              | 1   |  | 71       | -  |          | _            | -  | H  | $\vdash$   | <del> </del>                                     |              | t      |  |
|  | 22       |         | $\vdash$   | <del>                                     </del> | ╁  | _  | $\vdash$   | -        |  | $\vdash$     | 1   |  | 72       | Н  |          |              |  | H  | H  | <u> </u>   |              | t      |  |
|  | 23       |         | _  |  | $\vdash$   |  | _  | $\vdash$ |  |              | 1   |  | 73       |  |          |              |  | 1  |  |  |              | t      |  |
|  | 24       |         |  |  | -  |  | $\vdash$   |          | <u> </u>   | $\vdash$     |     |  | 74       | H  |          |              | $\vdash$   | -  |  | -  |              | t      |  |
|  | 25       |         |  |  |  | H  |  | -        | $\vdash$   | $\vdash$     | i   |  | 75       |  | _        |              | $\vdash$   | $\vdash$   |  |  | $\vdash$     | t      |  |
|  | 26       |         |  |  |  |  | _  | _        | Т  | _            | 1   |  | 76       | М  | _        |              | $\vdash$   |  |  |  |              | t      |  |
|  | 27       |         |  |  |  |  |  |          | _  |              | 1   |  | 77       |  |          |              |  |  |  |  | _            | t      |  |
|  | 28       |         |  |  |  |  |  |          | T  |              | 1   |  | 78       |  |          |              | 1  |  |  |  |              | t      |  |
|  | 29       |         |  |  |  |  |  |          |  |              | 1   |  | 79       |  |          |              |  |  |  | _  |              | t      |  |
|  | 30       |         |  |  |  | Т  | $\vdash$   |          |  |              |     |  | 80       |  |          |              | _  | 1  |  | $\vdash$   | $\vdash$     | t      |  |
|  | 31       |         |  |  |  |  |  |          | Г  |              | 1   |  | 81       |  |          |              |  | Т  |  |  | _            | t      |  |
|  | 32       |         |  | Г  |  |  | _  |          | _  |              | 1   |  | 82       |  |          |              |  | _  |  |  | $\vdash$     | t      |  |
|  | 33       |         |  |  |  |  |  |          |  |              | 1   |  | 83       |  |          |              |  |  |  | _  |              | t      |  |
|  | 34       |         |  |  | Г  |  |  | Г        | 1  |              | i I |  | 84       |  |          |              |  |  | П  | П  | $\vdash$     | T      |  |
| П  | 35       |         |  |  |  |  |  |          |  |              | 1   |  | 85       | П  | _        |              |  | Г  |  |  |              | t      |  |
|  | 36       |         |  |  |  |  |  |          |  |              | 1   |  | 86       |  |          |              | Г  |  |  |  |              | T      |  |
|  | 37       |         |  | ļ  | Г  |  | <u> </u>   | <u> </u> | <u> </u>   |              |     |  | 87       |  |          |              | Г  |  |  |  |              | t      |  |
|  | 38       |         |  |  |  |  |  |          | Г  |              |     |  | 88       |  |          |              |  |  |  |  |              | T      |  |
|  | 39       |         |  |  |  |  |  |          |  |              |     |  | 89       |  |          |              |  | П  |  |  |              | ٢      |  |
|  | 40       |         |  |  |  |  |  |          |  |              |     |  | 90       |  |          |              | Γ.   |  |  |  |              | Γ      |  |
|  | 41       |         |  |  |  |  |  |          |  |              |     |  | 91       |  |          |              |  |  |  |  |              | Γ      |  |
|  | 42       |         |  |  |  |  |  |          |  |              |     |  | 92       |  |          |              |  |  |  |  |              | Γ      |  |
|  | 43       |         |  |  |  |  |  |          |  |              |     |  | 93       |  |          |              |  |  |  |  |              | Γ      |  |
|  | 44       |         |  |  |  |  |  |          |  |              | l i |  | 94       |  |          |              |  |  |  |  |              | Γ      |  |
|  | 45       | _]      |  |  |  |  |  |          |  |              |     |  | 95       |  |          |              |  |  |  |  |              | ſ      |  |
| oxdot  | 46       |         |  |  | لُــــا  |  |  |          |  |              |     |  | 96       |  |          |              |  |  |  |  |              | Ĺ      |  |
|  | 47       |         |  |  |  |  |  |          |  |              |     | ]  | 97       |  |          |              |  |  |  |  |              | Ĺ      |  |
| $\Box$   | 48       | [       |  |  |  |  |  |          |  |              |     |  | 98       |  |          |              |  |  |  |  |              | Ĺ      |  |
| igsquare   | 49       | [       |  |  | Ш  |  |  |          |  |              |     |  | 99       |  |          |              |  |  |  |  |              | Ĺ      |  |
| Ш  | 50       |         |  |  |  |  |  |          | لـــا  |              |     |  | 100      | $oldsymbol{\bot}$                                | _]       |              |  |  |  |  |              | Ĺ      |  |
|  |          |         |  |  |  |  |  |          |  |              |     |  |          |  |          |              |  |  |  |  | _            | _      |  |

| CI                     | aim            | Т  |              |                |              | Dat          | e            |              |  |  |
|------------------------|----------------|--|--------------|----------------|--------------|--------------|--------------|--------------|--|--|
|                        | 1              | <del>                                     </del> | T            | Т              | T            | [            | l            | Т            |  | Т  |
| Final                  | Original       |  |              |                |              |              |              |              |  |  |
|                        | 51             |  |              |                |              |              |              |              |  |  |
|                        | 52             | <u> </u>   |              |                | L            |              |              |              | <u>i</u>   | L  |
|                        | 52<br>53       |  |              |                |              |              |              |              |  |  |
|                        | 54             |  |              |                |              |              |              |              |  |  |
|                        | 54<br>55       | Т  | П            |                |              | 1            | Ì            |              |  | Ì  |
|                        | 56             | Т  | Г            | t              | T            | t            | †            |              | <del>                                     </del> |  |
|                        | 57             |  | · · · ·      | t              | $\vdash$     | 1            | $\vdash$     | 一            | ╁  | <del>                                     </del> |
| <b>—</b>               | 58             | ┢  | 1            | ╁              | 1-           | t            | t            | $\vdash$     | $\vdash$   | H  |
|                        | 59             | ╁  | <del> </del> | ╁╌             |              | ╁            |              | $\vdash$     | -  | -  |
| -                      | 60             | 1  | ┢            | ╁              | ⊢            | ╁╾           | ⊢            | ┢            | ├─   | $\vdash$   |
| -                      | 61             | ╁  | ╁            | ┢              | ⊢            | ┼            | ├            | ┢            | ⊢  | ⊢  |
|                        | 62             | ┼  | ⊢            | ╁              | ┝            | ┼            | ├            | ⊢            | ⊢  | ┢  |
| ļ                      | 62             | $\vdash$   | ┼-           | +-             | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     |  | -  |
| <b>-</b>               | 63             | $\vdash$   | ├            | ├-             | ⊢            | $\vdash$     | <u> </u>     | ├            | ⊢  | 1—   |
|                        | 64<br>65       | ⊢  | <del> </del> | <b>├</b>       | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     | ⊢  | <del> </del>                                     |
| -                      | 65             | <del> </del>                                     | $\vdash$     | -              | -            | -            | <del> </del> | -            | <u>—</u>   | <u> </u>   |
| <u> </u>               | 66<br>67       | ├-   | ├-           | ⊢              | ⊢            | <u> </u>     | _            | ┡            | <u> </u>   | ├-   |
|                        | 67             | _  | ┡            | <u> </u>       | ↓            |              | L            |              | _  |  |
|                        | 68             | <u> </u>   | <u> </u>     | ļ.,            | 上            | <u> </u>     | <u> </u>     | L.           | L_   | ┖  |
|                        | 69             | <u> </u>   | <u> </u>     | <b> </b>       | ╙            | <u> </u>     |              | L_           | L  | _  |
|                        | 70             | _  | $\vdash$     | ╙              | <u> </u>     | L            | _            | <u> </u>     |  | _  |
|                        | 71<br>72<br>73 | ㄴ  | ļ            | <u> </u>       | <u> </u>     | <u> </u>     | <u> </u>     |              |  | _  |
|                        | 72             | L-   | ļ            | ┡              | _            | L            | _            | <u> </u>     |  | <u> </u>   |
|                        | 73             | <u> </u>   | _            | <u> </u>       | <u> </u>     | L.           | ļ            | _            |  | ┞  |
| <u> </u>               | 74<br>75       | _  | <u> </u>     | <u> </u>       | ┞            | _            | <u> </u>     | _            | _  | _  |
| <u> </u>               | 75             | -  | <del> </del> | -              | ⊢            | -            |              | L            | <u> </u>   |  |
| <u> </u>               | 76<br>77<br>78 | -  | -            | <u> </u>       | <del> </del> |              |              | ├-           | -  | <u> </u>   |
|                        | 77             | ┢  |              | <u> </u>       |              | -            |              | _            |  | _  |
|                        | 70             | <u> </u>   | -            | H              | -            | -            | <u> </u>     | ├            | <u> </u>   |  |
| -                      | 79             | _  |              | <u> </u>       | <b>!</b>     | -            | ⊢            | ├            | ⊢  | <u> </u>   |
|                        | 80             | ├  | H            | ┢              | -            | <u> </u>     |              | <u> </u>     |  | <u> </u>   |
|                        | 81             | ├  | <u> </u>     | ⊢              | <u> </u>     |              | <u> </u>     | -            | _  | _  |
|                        | 82             |  | -            | $\vdash$       |              |              |              |              | _  | <u> </u>   |
| L                      | 83             | _  | <u> </u>     | <del> </del>   | $\vdash$     | ⊢            | <u> </u>     | <u> </u>     | <u> </u>   | <b> </b>   |
| $\vdash$               | 84             | $\vdash$   | <u> </u>     |                | <del> </del> | ├-           | <u> — </u>   | ⊢            | <del> </del>                                     | <u> </u>   |
| $\vdash$               | 85             | <u> </u>   | <b> </b>     | <u> </u>       | <b>—</b>     | <u> </u>     | <u> </u>     | <u> </u>     | _  | <u> </u>   |
| $\vdash$               | 86             | <b> </b>   | <u> </u>     | $\vdash$       | <u> </u>     | ⊢            | ļ            | <u> </u>     | $\vdash$   | $\vdash$   |
| $\vdash$               | 87             | <del> </del>                                     | <u> </u>     | ⊢              | <u> </u>     | ⊢            |              | <u> </u>     | L  | <u> </u>   |
| <u> </u>               | 88             | ├  | ├            | <b> </b>       | -            | <u> </u>     | <u> </u>     | <del> </del> | ⊢-   | <u> </u>   |
| <u> </u>               | 89             | <del>                                     </del> | <del> </del> |                | -            | $\vdash$     | <u> </u>     | <u> </u>     | <b> </b>   | _  |
| <u> </u>               | 90             | $\vdash$   | ├-           |                | -            | ├            | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>   |
| <u> </u>               | 91             | <del> </del>                                     | <u> </u>     | <del> </del> — | <del> </del> | ⊢            | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>   |
| <u> </u>               | 92             | ├—   | $\vdash$     |                |              | <u> </u>     | <u> </u>     | <u> </u>     | $\vdash$   |  |
| $\vdash$               | 93             | $\vdash$   | $\vdash$     | ├-             | ├            | -            | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>   |
| <b></b>                | 94<br>95       | -  | $\vdash$     | $\vdash$       | ├            | <del> </del> | -            | <u> </u>     | -  | ١.   |
| -                      |                |  | ⊢            | <u> </u>       | <u> </u>     | $\vdash$     |              | <u> </u>     |  |  |
| $\vdash \vdash \vdash$ | 96<br>97       | $\vdash$   | <u> </u>     | ⊢              | ├            | <u> </u>     | _            | <u> </u>     | $\vdash$   |  |
| <b></b>                | 98             | $\vdash$   | <u> </u>     | $\vdash$       | $\vdash$     | <u> </u>     | _            | $\vdash$     | H  |  |
|                        | 99             | _  | $\vdash$     | <del> </del>   | $\vdash$     | $\vdash$     |              |              | Н  |  |
| ┝╼┥                    | 100            | $\vdash$   |              | $\vdash$       | H            | $\vdash$     | <b>_</b>     | $\vdash$     | $\vdash$   |  |
|                        |                |  |              |                |              |              |              |              |  |  |

| CI    | aim  | <u> </u> | _            |  | .  | <u>Dat</u>                                       | <u>e</u>   |          | _  | Щ               |
|-------|--|----------|--------------|--|--|--|--|----------|--|-----------------|
| Final | Original   |          |              |  |  |  |  |          |  |                 |
|       | 101<br>102   |          |              |  |  |  |  |          |  |                 |
|       | 102  |          |              | <u> </u>   |  |  |  |          | L  | Ш               |
|       | 103<br>104   |          |              | L.   | ļ.,  | ļ  |  | _        |  | Ц               |
|       | 104  |          | L_           | _  | L  |  | ļ  | _        | _  | Щ               |
|       | 105<br>106   |          | _            |  |  | _  |  | L        |  | Ш               |
|       | 106  |          | <u> </u>     | _  | _  | <u> </u>   | L  | <u> </u> | _  | Ш               |
|       | 107  |          | <u> </u>     | <u> </u>   | ⊢  | <u> </u>   | _  | _        | <u> </u>   | Н               |
|       | 107<br>108<br>109                                    |          |              | <u> </u>   |  | _  | <u> </u>   | _        |  | Ц               |
|       | 109  | _        | <del> </del> | H  |  | ⊢  |  | -        | ├-   | $\vdash$        |
|       | 110  | _        | -            | -  |  | ļ  |  | -        | -  | $\vdash$        |
|       | 117  |          |              | <del>  -</del>                                   | -  | $\vdash$   | -  | $\vdash$ | $\vdash$   | -               |
|       | 111<br>112<br>113                                    |          |              | $\vdash$   | <del>                                     </del> | -  | -  | $\vdash$ | $\vdash$   | $\vdash \vdash$ |
|       | 114  |          | -            | $\vdash$   | $\vdash$   | H  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash\vdash$  |
|       | 114<br>115   |          | -            | $\vdash$   | $\vdash$   |  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$        |
|       | 116  | _        | _            | ┢╾   | ┢  | <del>                                     </del> | $\vdash$   | $\vdash$ | H  | Н               |
|       | 117<br>118<br>119                                    | _        | $\vdash$     | <del>                                     </del> | _  |  | $\vdash$   | $\vdash$ | <del>                                     </del> | Н               |
|       | 118  |          |              | $\vdash$   |  |  | $\vdash$   | _        |  | H               |
|       | 119  |          | -            |  | $\vdash$   | _  |  | _        |  | П               |
|       | 120  |          |              |  |  |  |  |          |  | П               |
|       | 121  |          |              |  |  |  |  |          |  |                 |
|       | 122  |          |              |  |  |  |  |          |  |                 |
|       | 123  |          |              |  | _  | <u> </u>   |  | <u> </u> | _  | Ш               |
|       | 124  |          |              |  |  |  |  |          | L.,  | Щ               |
|       | 125  |          |              | _  | <u> </u>   | _  |  | L        | _  | Н               |
|       | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127 |          |              | _  | <del> </del>                                     | _  | -  | _        | _  | Н               |
|       | 128  |          |              | -  | $\vdash$   | -  | $\vdash$   | -        |  | $\vdash$        |
|       | 128<br>129<br>130                                    |          |              | $\vdash$   | $\vdash$   |  |  |          |  | Н               |
|       | 130  |          |              |  | $\vdash$   |  |  |          | -  | Н               |
|       | 131  |          |              |  |  | $\vdash$   | <del>                                     </del> | _        |  | Н               |
|       | 131<br>132<br>133                                    |          |              |  |  | _  |  | _        |  |                 |
|       | 133  |          |              |  |  |  |  |          |  |                 |
|       | 134<br>135   |          |              |  |  |  |  |          |  |                 |
|       | 135  |          |              | Ш  |  | L_   | _  |          |  |                 |
|       | 136<br>137   | _        |              |  |  | _  | _  |          |  |                 |
|       | 137  | _        |              | _  | _  |  | <u> </u>   | <u> </u> | _  |                 |
|       | 138<br>139   | $\dashv$ | _            | _  | <u> </u>   | _  | <u> </u>   |          |  | -               |
|       | 140  |          | _            | ⊢  | ⊢  | $\vdash$   | -  |          |  | Н               |
|       | 141  | $\dashv$ |              | Η,   |  | -  | -  |          |  | $\vdash$        |
|       | 142  |          |              |  |  | -  |  | Н        |  | $\exists$       |
|       | 143  | $\neg$   |              | П  |  |  |  | Т        |  | $\dashv$        |
|       | 144  |          |              |  |  |  |  |          |  |                 |
|       | 145  |          |              |  |  |  |  |          |  |                 |
|       | 146  |          |              |  |  |  |  |          |  |                 |
|       | 147  | _        |              |  |  |  | Ш  |          | Ш  |                 |
|       | 148  | _        |              | Щ  | Щ  |  |  | Ш        | $\Box$   | $\sqcup$        |
|       | 149  | _        | _            |  |  | <u> </u>   |  |          |  |                 |
|       | 150  | [        |              |  |  |  | <u></u>  | لـــا    | $\Box$   | Ш               |